

request that a Notice of Allowance or Advisory Action be mailed before the three month shorted statutory period response date of June 21, 2006.

### **AMENDMENTS**

#### **In the Claims**

Please cancel claims 3-5, 7-20, 27, 28, 31, 58-60, 63 and 65 without prejudice to file same in a continuation, divisional, continuation-in-part and/or co-pending patent application. Please amend the claims as indicated below and add new claims 71-133.

**PENDING CLAIMS AND STATUS THEREOF**

1. **(currently amended):** An infrared oven, comprising:
  - an oven housing;
  - an oven chamber adapted for receiving a food, the oven chamber located within the oven housing;
  - at least one first infrared heater comprising an electrically conductive filament inside of a chemically etched quartz glass tube, the at least one first infrared heater being located inside of the oven chamber and positioned to be on one side of the food;
  - and
  - at least one second infrared heater comprising an electrically conductive filament inside of a chemically etched quartz glass tube, the at least one second infrared heater being located inside of the oven chamber and positioned to be on another side of the food;
  - wherein the at least one first and the at least one second infrared heaters emit radiant heat at infrared wavelengths from about 1 to 3 microns for cooking the food.
2. **(currently amended):** The infrared oven of claim 1, further comprising:
  - a first radiant heat reflector located between an inside wall of the oven chamber and the at least one first infrared heater; and
  - a second radiant heat reflector located between another inside wall of the oven chamber and the at least one second infrared heater;

**wherein the first and the second radiant heat reflectors reflect radiant heat from the at least one first infrared heater and the at least one second infrared heater, respectively, to the food.**

Claims 3-5 (canceled)

6. (currently amended): The infrared oven of claim 1, wherein the ~~oven chamber has a shelf that is adapted to hold the~~ food is located between the at least one first and the at least one second infrared heaters.

Claims 7-20 (canceled)

Claim 21 (previously canceled)

22. (original): The infrared oven of claim 1, wherein the infrared wavelength is from about 1.5 to about 2.5 microns.

23. (original): The infrared oven of claim 1, wherein the infrared wavelength is about 1.63 microns for the at least one first infrared heater and the infrared wavelength is about 2.11 microns for the at least one second infrared heater.

24. (original): The infrared oven of claim 1, wherein the infrared wavelength comprises a plurality of infrared wavelengths.

25. **(currently amended):** The infrared oven of claim ~~[[16]]~~ 1, further comprising a gold coating over a portion of the quartz glass tube, wherein the gold coated portion is on the distal side of the quartz glass tube from the food.

26. (original): The infrared oven of claim 1, further comprising a user interface for controlling cooking of the food.

Claims 27 and 28 (canceled)

29. (original): The infrared oven of claim 1, further comprising a digital processor for controlling the at least one first infrared heater and the at least one second infrared heat.

30. (original): The infrared oven of claim 29, wherein the digital processor independently controls the at least one first infrared heater and the at least one second infrared heat.

Claim 31 (canceled)

32. (original): The infrared oven of claim 29, further comprising a user interface coupled to the digital processor.

33. (original): The infrared oven of claim 32, wherein the user interface is used to input food choices for cooking the food from cooking routines stored in the digital processor.

34. (original): The infrared oven of claim 33, wherein the cooking routines are selected from the group consisting of heating, cooking, browning, toasting, baking, broiling and defrosting.

35. (original): The infrared oven of claim 33, wherein the food is selected from the group consisting of steak, hamburger, pizza, pasta, dinner rolls, bread, toast, cookies, pies, turkey, chicken, pot roast, pork, tofu, meatloaf, vegetables, and pastries.

36. (original): The infrared oven of claim 1, wherein the position on the one side is above the food and the position on the another side is below the food.

Claims 37-57 (previously canceled)

Claims 58-60 (canceled)

61. (original): The infrared oven of claim 1, wherein the at least one first and the at least one second infrared heaters emit radiant heat at different infrared wavelengths.

62. (original): The infrared oven of claim 1, wherein the at least one first and the at least one second infrared heaters emit radiant heat at a plurality of different infrared wavelengths.

Claim 63 (canceled)

64. (original): The infrared oven of claim 1, further comprising a coated portion of at least one inner surface of the oven chamber for reflecting a desired infrared wavelength.

Claim 65 (canceled)

66. (original): The infrared oven of claim 1, further comprising a coated portion of at least one inner surface of the oven chamber for retaining heat from the at least one first infrared heater and thereby re-radiating the retained heat.

67. (original): The infrared oven of claim 1, further comprising a coated portion of at least one inner surface of the oven chamber for retaining heat from the at least one second infrared heater and thereby re-radiating the retained heat.

68. (original): The infrared oven of claim 1, further comprising at least a portion of at least one inner surface of the oven chamber is coated with ceramic.

69. (original): The infrared oven of claim 1, further comprising at least a portion of at least one inner surface of the oven chamber is coated with porcelain.

70. (original): The infrared oven of claim 1, wherein the infrared wavelength is about 1.65 microns for the at least one first infrared heater and the infrared wavelength is about 2.05 microns for the at least one second infrared heater.

71. (new): An infrared oven, comprising:  
an oven housing;  
an oven chamber adapted for receiving a food, the oven chamber located within the oven housing;

at least one first infrared heater comprising an electrically conductive filament inside of a quartz glass tube having extruded grooves therein, the at least one first infrared heater being located inside of the oven chamber and positioned to be on one side of the food; and

at least one second infrared heater comprising an electrically conductive filament inside of a quartz glass tube having extruded grooves therein, the at least one second infrared heater being located inside of the oven chamber and positioned to be on another side of the food;

wherein the at least one first and the at least one second infrared heaters emit radiant heat at infrared wavelengths from about 1 to 3 microns for cooking the food.

72. **(new)**: The infrared oven of claim 71, further comprising:

a first radiant heat reflector located between an inside wall of the oven chamber and the at least one first infrared heater; and

a second radiant heat reflector located between another inside wall of the oven chamber and the at least one second infrared heater;

wherein the first and the second radiant heat reflectors reflect radiant heat from the at least one first infrared heater and the at least one second infrared heater, respectively, to the food.

73. **(new)**: The infrared oven of claim 71, wherein the infrared wavelength is from about 1.5 to about 2.5 microns.

74. (new): The infrared oven of claim 71, wherein the infrared wavelength is about 1.63 microns for the at least one first infrared heater and the infrared wavelength is about 2.11 microns for the at least one second infrared heater.

75. (new): The infrared oven of claim 71, wherein the infrared wavelength is about 1.65 microns for the at least one first infrared heater and the infrared wavelength is about 2.05 microns for the at least one second infrared heater.

76. (new): The infrared oven of claim 71, wherein the infrared wavelength comprises a plurality of infrared wavelengths.

77. (new): The infrared oven of claim 71, further comprising a gold coating over a portion of the quartz glass tube, wherein the gold coated portion is on the distal side of the quartz glass tube from the food.

78. (new): The infrared oven of claim 71, further comprising a user interface for determining cooking parameters for the food.

79. (new): The infrared oven of claim 71, wherein the at least one first and the at least one second infrared heaters emit radiant heat at different infrared wavelengths.

80. (new): The infrared oven of claim 71, wherein the at least one first and the at least one second infrared heaters emit radiant heat at a plurality of different infrared wavelengths.



81. (new): The infrared oven of claim 71, further comprising a coated portion of at least one inner surface of the oven chamber for reflecting a desired infrared wavelength.

82. (new): An infrared oven, comprising:

an oven housing;

an oven chamber adapted for receiving a food, the oven chamber located within the oven housing;

at least one first infrared heater located inside of the oven chamber and positioned to be on one side of the food;

at least one second infrared heater located inside of the oven chamber and positioned to be on another side of the food;

wherein the at least one first and the at least one second infrared heaters emit radiant heat at infrared wavelengths from about 1 to 3 microns for cooking the food; and

a coated portion on at least one inner surface of the oven chamber for retaining heat from the at least one first infrared heater and thereby re-radiating the retained heat.

83. (new): The infrared oven of claim 82, further comprising:

a first radiant heat reflector located between an inside wall of the oven chamber and the at least one first infrared heater; and

a second radiant heat reflector located between another inside wall of the oven chamber and the at least one second infrared heater;

wherein the first and the second radiant heat reflectors reflect radiant heat from the at least one first infrared heater and the at least one second infrared heater, respectively, to the food.

84. (new): The infrared oven of claim 82, wherein at least one of the at least one first and the at least one second infrared heaters comprise an electrically conductive filament inside of a quartz glass tube.

85. (new): The infrared oven of claim 84, wherein the quartz glass tube is clear.

86. (new): The infrared oven of claim 82, wherein the infrared wavelength is from about 1.5 to about 2.5 microns.

87. (new): The infrared oven of claim 82, wherein the infrared wavelength is about 1.63 microns for the at least one first infrared heater and the infrared wavelength is about 2.11 microns for the at least one second infrared heater.

88. (new): The infrared oven of claim 82, wherein the infrared wavelength is about 1.65 microns for the at least one first infrared heater and the infrared wavelength is about 2.05 microns for the at least one second infrared heater.

89. (new): The infrared oven of claim 82, wherein the infrared wavelength comprises a plurality of infrared wavelengths.

90. (new): The infrared oven of claim 85, further comprising a gold coating over a portion of the quartz glass tube, wherein the gold coated portion is on the distal side of the quartz glass tube from the food.

91. (new): The infrared oven of claim 82, further comprising a user interface for controlling cooking of the food.

92. (new): The infrared oven of claim 82, wherein the at least one first and the at least one second infrared heaters emit radiant heat at different infrared wavelengths.

93. (new): The infrared oven of claim 82, wherein the at least one first and the at least one second infrared heaters emit radiant heat at a plurality of different infrared wavelengths.

94. (new): The infrared oven of claim 82, further comprising a coated portion of at least one inner surface of the oven chamber for reflecting a desired infrared wavelength.

95. (new): An infrared oven, comprising:

an oven housing;

an oven chamber adapted for receiving a food, the oven chamber located within the oven housing;

at least one first infrared heater located inside of the oven chamber and positioned to be on one side of the food;

at least one second infrared heater located inside of the oven chamber and positioned to be on another side of the food;

wherein the at least one first and the at least one second infrared heaters emit radiant heat at infrared wavelengths from about 1 to 3 microns for cooking the food; and

a coated portion on at least one inner surface of the oven chamber for retaining heat from the at least one second infrared heater and thereby re-radiating the retained heat.

96. **(new)**: The infrared oven of claim 95, further comprising:

a first radiant heat reflector located between an inside wall of the oven chamber and the at least one first infrared heater; and

a second radiant heat reflector located between another inside wall of the oven chamber and the at least one second infrared heater;

wherein the first and the second radiant heat reflectors reflect radiant heat from the at least one first infrared heater and the at least one second infrared heater, respectively, to the food.

97. **(new)**: The infrared oven of claim 95, wherein at least one of the at least one first and the at least one second infrared heaters comprise an electrically conductive filament inside of a quartz glass tube.

98. **(new)**: The infrared oven of claim 97, wherein the quartz glass tube is clear.

99. (new): The infrared oven of claim 95, wherein the infrared wavelength is from about 1.5 to about 2.5 microns.

100. (new): The infrared oven of claim 95, wherein the infrared wavelength is about 1.63 microns for the at least one first infrared heater and the infrared wavelength is about 2.11 microns for the at least one second infrared heater.

101. (new): The infrared oven of claim 95, wherein the infrared wavelength is about 1.65 microns for the at least one first infrared heater and the infrared wavelength is about 2.05 microns for the at least one second infrared heater.

102. (new): The infrared oven of claim 95, wherein the infrared wavelength comprises a plurality of infrared wavelengths.

103. (new): The infrared oven of claim 98, further comprising a gold coating over a portion of the quartz glass tube, wherein the gold coated portion is on the distal side of the quartz glass tube from the food.

104. (new): The infrared oven of claim 95, further comprising a user interface for controlling cooking of the food.

105. (new): The infrared oven of claim 95, wherein the at least one first and the at least one second infrared heaters emit radiant heat at different infrared wavelengths.

106. (new): The infrared oven of claim 95, wherein the at least one first and the at least one second infrared heaters emit radiant heat at a plurality of different infrared wavelengths.

107. (new): The infrared oven of claim 95, further comprising a coated portion of at least one inner surface of the oven chamber for reflecting a desired infrared wavelength.

108. (new): An infrared oven, comprising:

an oven housing;

an oven chamber adapted for receiving a food, the oven chamber located within the oven housing;

at least one first infrared heater located inside of the oven chamber and positioned to be on one side of the food;

at least one second infrared heater located inside of the oven chamber and positioned to be on another side of the food;

wherein the at least one first and the at least one second infrared heaters emit radiant heat at infrared wavelengths from about 1 to 3 microns for cooking the food; and

at least a portion of at least one inner surface of the oven chamber is coated with ceramic.

109. (new): The infrared oven of claim 108, further comprising:

a first radiant heat reflector located between an inside wall of the oven chamber and the at least one first infrared heater; and

a second radiant heat reflector located between another inside wall of the oven chamber and the at least one second infrared heater;

wherein the first and the second radiant heat reflectors reflect radiant heat from the at least one first infrared heater and the at least one second infrared heater, respectively, to the food.

110. **(new)**: The infrared oven of claim 108, wherein at least one of the at least one first and the at least one second infrared heaters comprise an electrically conductive filament inside of a quartz glass tube.

111. **(new)**: The infrared oven of claim 110, wherein the quartz glass tube is clear.

112. **(new)**: The infrared oven of claim 108, wherein the infrared wavelength is from about 1.5 to about 2.5 microns.

113. **(new)**: The infrared oven of claim 108, wherein the infrared wavelength is about 1.63 microns for the at least one first infrared heater and the infrared wavelength is about 2.11 microns for the at least one second infrared heater.

114. **(new)**: The infrared oven of claim 108, wherein the infrared wavelength is about 1.65 microns for the at least one first infrared heater and the infrared wavelength is about 2.05 microns for the at least one second infrared heater.

115. **(new)**: The infrared oven of claim 108, wherein the infrared wavelength comprises a plurality of infrared wavelengths.

116. **(new)**: The infrared oven of claim 111, further comprising a gold coating over a portion of the quartz glass tube, wherein the gold coated portion is on the distal side of the quartz glass tube from the food.

117. **(new)**: The infrared oven of claim 108, further comprising a user interface for controlling cooking of the food.

118. **(new)**: The infrared oven of claim 108, wherein the at least one first and the at least one second infrared heaters emit radiant heat at different infrared wavelengths.

119. **(new)**: The infrared oven of claim 108, wherein the at least one first and the at least one second infrared heaters emit radiant heat at a plurality of different infrared wavelengths.

120. **(new)**: The infrared oven of claim 108, further comprising a coated portion of at least one inner surface of the oven chamber for reflecting a desired infrared wavelength.

121. **(new)**: An infrared oven, comprising:

an oven housing;

an oven chamber adapted for receiving a food, the oven chamber located within the oven housing;

at least one first infrared heater located inside of the oven chamber and positioned to be on one side of the food;



at least one second infrared heater located inside of the oven chamber and positioned to be on another side of the food;

wherein the at least one first and the at least one second infrared heaters emit radiant heat at infrared wavelengths from about 1 to 3 microns for cooking the food; and

at least a portion of at least one inner surface of the oven chamber is coated with porcelain.

122. **(new)**: The infrared oven of claim 121, further comprising:

a first radiant heat reflector located between an inside wall of the oven chamber and the at least one first infrared heater; and

a second radiant heat reflector located between another inside wall of the oven chamber and the at least one second infrared heater;

wherein the first and the second radiant heat reflectors reflect radiant heat from the at least one first infrared heater and the at least one second infrared heater, respectively, to the food.

123. **(new)**: The infrared oven of claim 121, wherein at least one of the at least one first and the at least one second infrared heaters comprise an electrically conductive filament inside of a quartz glass tube.

124. **(new)**: The infrared oven of claim 123, wherein the quartz glass tube is clear.

125. **(new)**: The infrared oven of claim 121, wherein the infrared wavelength is from about 1.5 to about 2.5 microns.

126. **(new)**: The infrared oven of claim 121, wherein the infrared wavelength is about 1.63 microns for the at least one first infrared heater and the infrared wavelength is about 2.11 microns for the at least one second infrared heater.

127. **(new)**: The infrared oven of claim 121, wherein the infrared wavelength is about 1.65 microns for the at least one first infrared heater and the infrared wavelength is about 2.05 microns for the at least one second infrared heater.

128. **(new)**: The infrared oven of claim 121, wherein the infrared wavelength comprises a plurality of infrared wavelengths.

129. **(new)**: The infrared oven of claim 124, further comprising a gold coating over a portion of the quartz glass tube, wherein the gold coated portion is on the distal side of the quartz glass tube from the food.

130. **(new)**: The infrared oven of claim 121, further comprising a user interface for controlling cooking of the food.

131. **(new)**: The infrared oven of claim 121, wherein the at least one first and the at least one second infrared heaters emit radiant heat at different infrared wavelengths.

132. **(new)**: The infrared oven of claim 121, wherein the at least one first and the at least one second infrared heaters emit radiant heat at a plurality of different infrared wavelengths.

133. **(new)**: The infrared oven of claim 121, further comprising a coated portion of at least one inner surface of the oven chamber for reflecting a desired infrared wavelength.